

Amendments to the Specification:

Please replace paragraph [14] with the following amended paragraph:

[14] Another object of the present invention is to provide a method of controlling power consumption in a CPU by controlling a scheduling of the CPU by substituting a system check function of a process into a scheduler function of a clock, determining a first amount of time required for the scheduler function of the clock to be executed, determining a second amount of time required for a real time condition to be satisfied, determining whether the first amount of time is greater than the second amount of time, and changing the clock speed of a process, wherein the clock speed is ~~decreased~~ of increased if the first time is greater than the second time and the clock speed is ~~increased~~decreased if the first time is less than the second time.